

Exploring Goddard's SPI Website

Presented by:

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GSFC Software Process Improvement (SPI) Project

Agenda

- **Overview of website main pages**
- **Website demonstration**
- **Question and answer session**

Purpose and Objectives

- **Purpose - Provide an overview of the contents of GSFC's SPI website and its navigation**

- **Objective - After this session you should:**
 - Know what products and information are available on the website
 - Know where to find specific assets, tools, etc.
 - Know how to navigate through the available “views” to find what you are looking for
 - Know how to provide feedback on web pages or assets

What's on the Website?

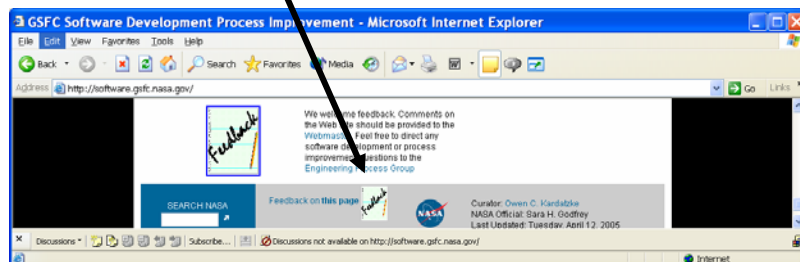
- General information about GSFC's SPI effort
- Process Asset Library (PAL)
 - PAL overview, navigation, and help
 - **Process asset diagrams that ...**
 - show relationships among processes and assets
 - provide "one-click" access to assets
 - Assets by role, tailoring, or type
 - Index and index subsets
- Training, **discussion**, and conference information
- Tool information and the tools themselves
- Measurement information
- Lessons Learned

SPI Website Homepage

URL: <http://software.gsfc.nasa.gov/>

What's on this page ...

- Services
- News and upcoming events
- Overview of the SPI initiative
- Info about the navigation bar and a site map
- Links to NASA & industry SPI sites
- Contact info
- Web page feedback link (on each page)

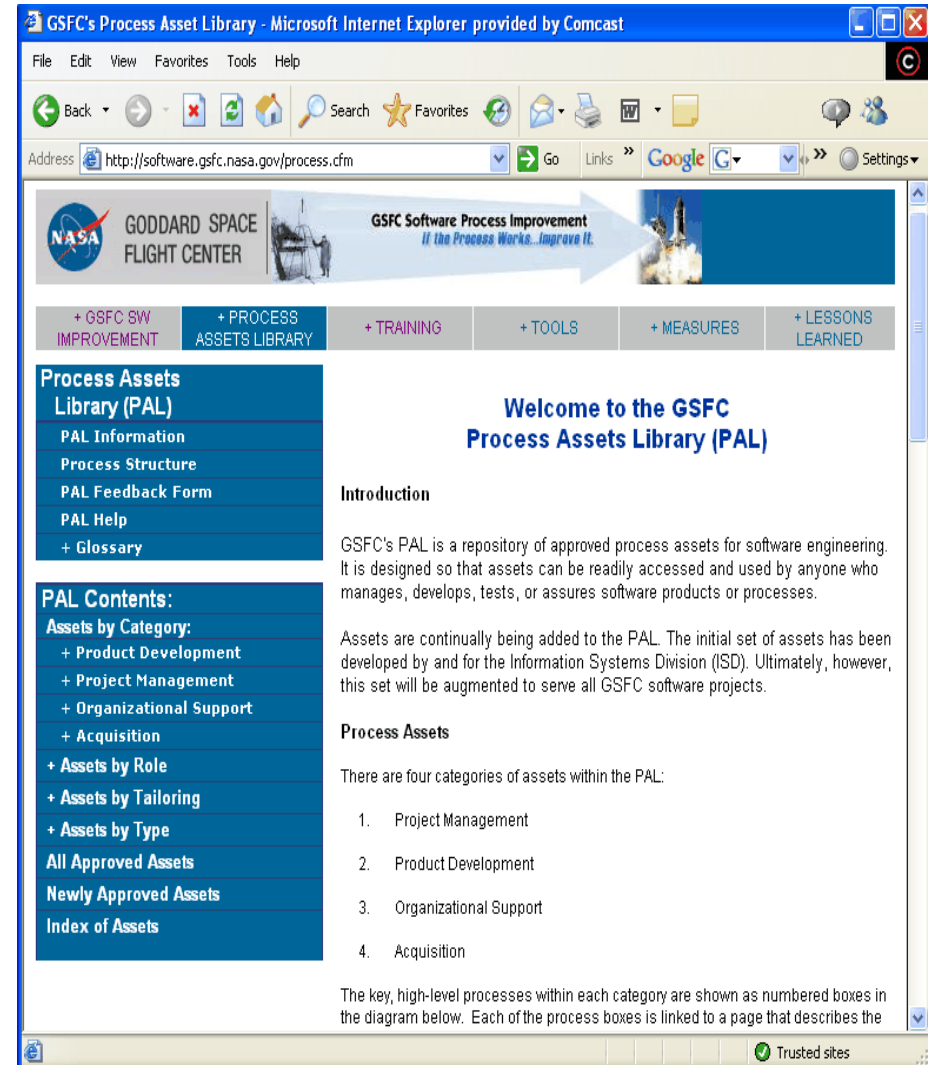


Process Asset Library (PAL) Main Page

<http://software.gsfc.nasa.gov/process.cfm>

What's on this page ...

- **Diagram of the process architecture**
- **Pyramid of asset types**
- Information about the PAL menu and structure
- User "Help" page
- Asset feedback link
- Glossary
- **Links to PAL diagrams and assets**
- Links to applicable standards and policies



GSFC Training Program Main Page

<http://software.gsfc.nasa.gov/training.cfm>

What's on this page ...

- Training news and upcoming events
- Links to SPI Training Program information
- **Links to Class B Software Project training info**
- **Links to SW Engineering Discussion schedule and slides**
- Links to conference information
- Access to experts
- Links to other training programs

The screenshot shows the GSFC Software Training Program website in a Microsoft Internet Explorer browser window. The address bar displays <http://software.gsfc.nasa.gov/training.cfm>. The website header features the NASA logo and the text "GODDARD SPACE FLIGHT CENTER" and "GSFC Software Process Improvement If the Process Works...Improve It.". Below the header is a navigation menu with tabs: "+ GSFC SW IMPROVEMENT", "+ PROCESS ASSETS LIBRARY - (PAL)", "+ TRAINING", "+ TOOLS", "+ MEASURES", and "+ LESSONS LEARNED". The "TRAINING" tab is selected. The main content area is titled "GSFC Software Training Program" and contains a paragraph about the program's goals: "The goals of the GSFC Software Training Program are to identify, document, and deploy proven best practices for software engineering on GSFC projects; to provide awareness of key software development issues to GSFC customers and collaborators; to enhance the skills of GSFC developers and team leads; and to ensure compliance of NPR 7150.2 across the GSFC. To achieve these goals, the training techniques employed include training classes, software awareness discussions, mentoring, on-the-job training, conference attendance, and use of experts." Below this is another paragraph: "This site is the repository for software training-related materials. It provides news and information on upcoming events related to software training, access to the most recent Software Training Plan, and links to other relevant information (training calendar, on-line slides, etc.)." There is a link to "ISD Software Training plan" with a PDF icon. The "Training News" section is partially visible, showing a "News Flash!! 'Software Configuration Management'" and a schedule for a presentation by Sue Sekira on Wednesday, March 5, 2008, from 11:00 AM to 12 noon in room C432 of GSFC Building 23.

Software Tools Main Page

<http://software.gsfc.nasa.gov/tools.cfm>

What's on this page ...

- Tool assets (**many new tools**)
- Views of tools by role
- Links to other tool sites
 - GSFC Tool Sites
 - *Future* – NASA Tool Sites
 - Industry and Academia Tool Sites

Software Development Tools - Microsoft Internet Explorer provided by Comcast

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites RSS Feeds Print Mail

Address <http://software.gsfc.nasa.gov/tools.cfm> Go Links Google Settings

GODDARD SPACE FLIGHT CENTER **GSFC Software Process Improvement**
If the Process Works... Improve It.
Link to opening page of SW Improvement Site

+ GSFC SW IMPROVEMENT + PROCESS ASSETS LIBRARY - (PAL) + TRAINING **+ TOOLS** + MEASURES + LESSONS LEARNED

+ Tools by Role
+ GSFC Tool Sites
NASA Tool Sites
Industry and Academia Tool Sites

Introduction to Tools

The tools listed in the table below have been (or are being) developed for use at GSFC. If a tool is available, its title is shown as a hyperlink. Click on the title to view more detailed information and to access the tool itself, along with associated files (e.g., users' guides).

This table may be sorted by asset number, title, owner, process supported, or status. Simply click the appropriate column title. To find a particular tool, enter all or part of its title in the box below, and then click the "Find Tool" button.

List only tools with title containing: Find Tool <=== Begin Tool Search by title string

Asset Number	Title	Owner	Process Supported	Status (More Info)
1.2.1.1	Software Estimates/Actuals Database	580	Project Planning	Not started
1.2.1.1.1	FSW Cost Estimation Spreadsheet/Guidelines	582	Project Planning	In progress
1.2.1.1.2	FSW Complexities and Cost Comparisons Database	582	Project Planning	Not started
1.2.1.3	Basis of Estimate Guidance	580	Project Planning	EPG approved
1.2.2.2.1	FSW Staff Planning/Actuals Process	582	Project Planning	In progress

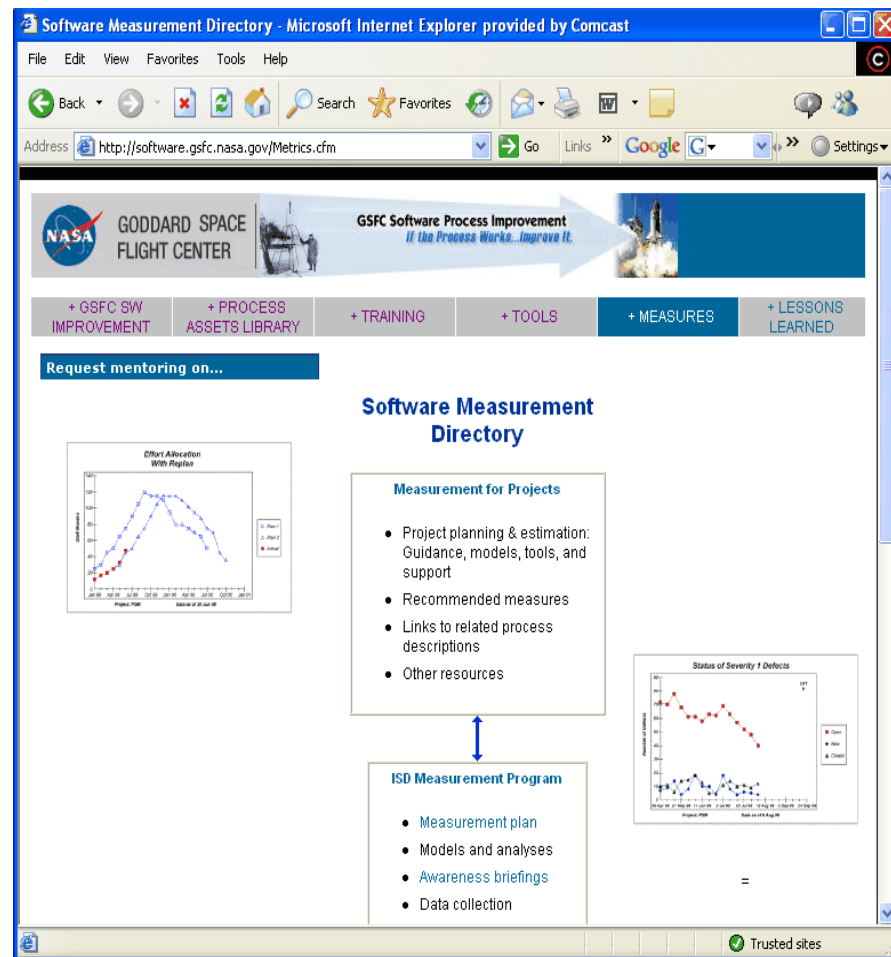
<http://software.gsfc.nasa.gov/index.cfm> Trusted sites

Software Measurement Main Page

<http://software.gsfc.nasa.gov/metrics.htm>

What's on this page ...

- Measurement Information for Software Projects
- ISD Measurement Program Information
- GSFC Measurement Information
- NASA Measurement Information
- **Mentoring request menu**

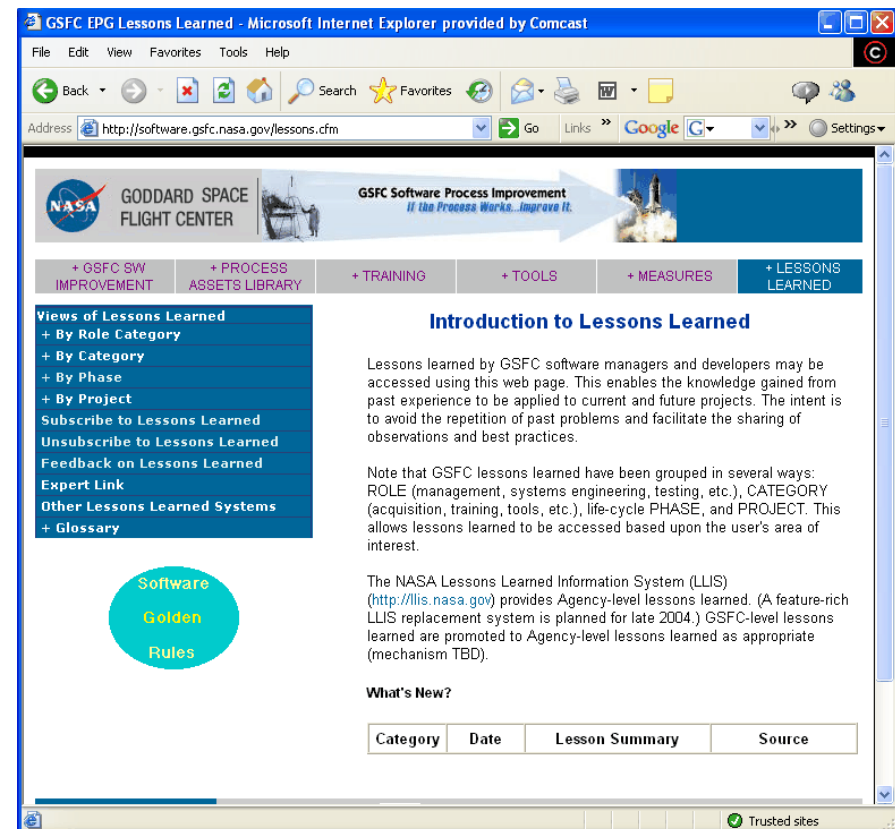


Lessons Learned Main Page

<http://software.gsfc.nasa.gov/lessons.cfm>

What's on this page ...

- New Lessons Learned
- Link to GSFC's "Software Golden Rules"
- Lessons Learned Assets
 - By Role Category
 - By Category
 - By Phase (*future*)
 - By Project
- Link to "Ask an Expert"
- Links to other lessons learned sites
- Glossary



Website Demonstration

Questions?

Acronyms Used in This Presentation

- **SPI – Software process Improvement**
- **PAL – Process Asset Library**
- **SW – Software**
- **ISD – Information Systems Division, now known as the Software Engineering Division (SED)**